

**Developmental Product Safety
Information Sheet**

Date: December 27, 1990

* Emergency Telephone: (573)-751-6663

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* Chemtrec:

Section 1: Product Data

Code No.:

Product Name:

F-434a Household
Fabric Softener/SanitizerPrecautions: Severely irritating to
skin and eyes.

Product Class:

SURFACTANT BLEND

Section 2: Hazardous Ingredients/CAS#

%

OSHA PEL (ppm)

ACGIH TWA (ppm)

NONE

Section 2A: Hazardous By-Products

NONE KNOWN

c-Identified as carcinogen by OSHA, IARC, or NTP

Section 3: Physical Data

Flash Point: 130 °F (Method - Setflash)

Vapor Density: Lighter/Heavier Than Air

Boiling Point: 212 °F

Vapor Pressure: N.D. (mm Hg)

Volatiles: 93 % (by Weight)
(Volatiles - Boiling Point ≤ 400°F)

pH: 4-5 @ 10 % Solids In Aqueous Medium

Evaporation Rate: Faster/Slower Than Ethyl Ether

Solubility in Water: Complete/Partial/NONE

Flammability Limits: LEL(%):

Appearance At 70°F EMULSION

UEL(%): N.D.

N.D. = Not Determined . N.A. = Not Applicable

Section 4: Fire, Explosion and Reactivity DataExtinguishing Media: CO₂, Dry Chemical, Synthetic Foam, or Water. Type BC or ABC ExtinguishersUnusual Fire and Explosion Hazards: Strong Acids And Bases React With Aluminum To Form Hydrogen Which Is
Explosive If Ignited. Dust May Present An Explosion Hazard.
Fluorocarbons Will Develop Pressure In Containers Heated Above 75°F.Special Fire Fighting Procedures: Use Self-Contained Breathing Apparatus for
maximum respiratory protection.
Water may be used to cool containers if not ruptured or leaking

Stability: Stable/Not Stable

Hazardous Polymerization: Will/Will Not Occur at Ambient Temperatures

Incompatibility: STRONG OXIDIZING AGENT
(Materials To Avoid)

Hazardous Decomposition Products: NITROUS OXIDES AND AMMONICAL VAPORS.

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Section 5: Health Hazard Data

Effects of Exposure: Contact with eyes causes irritation. Prolonged or repeated contact with skin may cause irritation. Dusts, vapors, or mists may irritate respiratory passages. If corrosive, (see Section 1), contact may cause chemical burns. If alcohol or other solvents are present above TLV, (see Section 2), vapors may cause drowsiness, nausea, loss of motor skills, or disorientation.

Emergency and First Aid Precautions:

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes.

Skin Contact: Wash off skin and remove contaminated clothing. Do not reuse contaminated clothing.

Inhalation: If dust, vapors, or mist cause distress, remove to fresh air. Use oxygen or artificial respiration, if needed.

Ingestion: If swallowed, consult a physician immediately.

If Symptoms Persist, Consult A Physician.

Section 6: Environmental Protection

Spill & Leak Response Procedure:

- Contain all spills and leaks to prevent discharge to the environment.
- Ventilate area.
- If flammable or combustible, (see Section 1), avoid spark, fires and open flames, and use non-sparking equipment.
- If strong acid, (see Section 3), carefully neutralize with lime, sodium carbonate or sodium bicarbonate.

Small Spill: Soak up with absorbent. Shovel into waste containers. Flush area with water.

Large Spill: Recover spilled material for reprocessing or disposal.

Waste Disposal Method: Recover liquid or dispose waste material, (incineration is preferred), in accordance with all applicable federal, state, and local regulations and laws. Material collected with absorbent may be disposed of in a permitted landfill in accordance with all applicable federal, state, and local regulations and laws.

Section 7: Special Protection Information

Eye Protection: Wear goggles or full face shield when handling to avoid contact with face or eyes.

Ventilation: Provide adequate ventilation. Keep hazardous ingredients below their TLV.

Other Protective Equipment: Use impervious gloves and any other protective equipment to prevent prolonged or repeated contact.

Respiratory Protection: If vapors, fumes, or dusts are present use a MSHA or NIOSH approved respirator, a fresh air breathing apparatus, or a self-contained breathing apparatus.

Section 8: Special Precautions

Handling and Storage: Avoid overheating or freezing. (See Section 3) Store in a cool, well-ventilated area. If flammable or combustible, (see Section 1), avoid sparks, fires, and open flames. Ground equipment when transferring or using material.

Do Not Take Internally!

If Ingested, Call A Physician!

Do Not Inhale Vapors, Fumes, Or Dusts!

Wash Thoroughly After Handling!

Spilled Material Is Slippery!

Section 9: Disclaimer

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